

TC Number: A250-48

Tetra Tech, Inc. 4213 State Street, Suite 100 Santa Barbara, CA 93110-2847 VOICE (805) 681-3100 FAX (805) 681-3108

Project: Vandenberg Air Force Base

Log of Well No. 14-MW-9

Location: OU4, Site 14, approximately 890 ft. southwest of Building 1794, west of Watt Road.

	of Building 1794, west of Watt Road.							
ate Started: 7/30/03 Completed: 8/1/03	4" PVC Blank Casing: from 0 ft bgs to 98 ft b							
ogged By: S. Serratore Checked By: D. Springer, R.G.	4" Screening Casing: from 98 ft bgs to 118 ft b							
rilled By: Ramon Zereda, BC2 Environmental Corp.	Bentonite/Cement Grout: from 0 ft bgs to 91 ft bg							
rilling Equipment: CME 95, 13" HSA	Bentonite Transitional Seal: from 91 ft bgs to 96 ft bg							
ampling Equipment: 2" I.D. Split Spoon	Sand Filter Pack: from 96 ft bgs to 120 ft bg							
S Elev.: 130 ft above MSL TD: 150 ft	TOC Elev.: 132.82 ft above MSL							
MATERIAL DESCRIPTION	Material Symbol Symbol Blow Counts: Percent Percent Percent Amb/Smp A							
sand, dark yellowish brown (10YR 3/6), fine to medium-grained, subrounded, loose, dry, dune sand. yellowish brown (10YR 5/6), dense, slightly moist.	SP SP O.3/ 0.2 PID readings takes from ambient borehole. Soil logged using cuttings.							

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Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
20	sand, yellowish brown (10YR 5/6), fine to medium-		}						
-	grained, subrounded, dense, slightly moist, dune sand.								
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15	Dark yellowish brown (10YR 4/4).								
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CF (ff. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
45	sand, dark yellowish brown (10YR 4/4), fine to medium- grained, subrounded, dense, slightly moist, dune sand.		SP			~ ~	₽.4	-
	gramed, subrounded, dense, singlity moist, dulie said.							
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65 -								Begin drilling with a
05								Begin drilling with a 10" auger at 11:30. Drilling started at 65' on 7/31/03. Redrilled borehole.
								65' on 7/31/03. Redrilled borehole.
-	-							
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·	-							
70							0.2/ 0.2	
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Location: OU4, Site 14, approximately 890 ft. southwest of Building 1794, west of Watt Road.

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Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Constru	iction	Blow Counts	Percent Recovery	PID (ppm) Amb/Smp	REM/	ARKS
70	sand, dark yellowish brown (10YR 4/4), fine to medium-grained, subrounded, dense, slightly moist, dune sand.		SP					4		
90 95	brown (10YR 4/3), wet, some silt.		$\mathbf{y}_{\mathbb{I}}$					0.1/		of 7
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Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMA	RKS
125 —	sand, dark grayish brown (10YR 4/2), fine to medium-grained, subrounded, dense, wet, some silt, dune sand.		SP						
130	Silty sand, very dark grayish brown (10YR 3/2), fine to medium grained, subrounded, dense, wet.		SM				0.1/		
140	very dense.								of 7
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Depth (ft. bgs)	MATERIAL DESCRIPTION	Material Symbol	Material Type	Well Construction	Sample	Blow Counts per 6"	Percent Recovery	PID (ppm) Amb/Smp	REMARKS
145	Silty sand, very dark grayish brown (10YR 3/2), fine to medium grained, subrounded, very dense, wet. shale, dark grayish brown (10YR 4/2), hard, Monterey Formation.		SM						
150	_				J				End drilling at 2015 on 7/31/03.
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